

PROJECT NARRATIVE

for

Cingular Wireless Communication Facility

At



Cingular APS/CAP 124th St.

12317 E. Shea Blvd.
Scottsdale, AZ 85259

Cingular Project Number: P729-02

73-DR-2006
08/02/2006

Background

Cingular Wireless is currently providing wireless telephone communications services throughout the Valley and across much of the U.S. Its Federal Communication Commission license for the Arizona region requires it to provide service throughout this market area, including Scottsdale. In response to significant population growth and increased demand for its wireless services, and its commitment to provide service throughout this area, Cingular Wireless is expanding its coverage in Arizona, as well as increasing the number of available channels in the growing urbanized areas of Arizona. To satisfy demand for its wireless services in the Shea Blvd. and 124th St. area, Cingular is requesting approval of a Wireless Communication Facility to be installed on an existing APS utility pole. The application for this site is one in a series designed to provide coverage for residents, businesses, and visitors in the Scottsdale area. It is the goal of Cingular Wireless to work with the City of Scottsdale to build and maintain a competitive wireless network, providing quality wireless service to residents and travelers, offering the benefits of competition as encouraged by the FCC.

Existing Conditions

Qwest Wireless (US West) had obtained approval in 2000 to locate its antennas on an existing APS power pole and locate its equipment on the ground within a CMU wall. The pole is located west of 124th Street on the South side of Shea Boulevard. The equipment enclosure is located in a parcel owned by the United States Government (controlled by CAP). Qwest is no longer utilizing the facility. The CMU wall, doghouse, and antenna mounts are still located on the facility.



Co-location

Co-location in regards to a wireless communication facility refers to the sharing of a wireless facility by more than one wireless provider or the sharing of an alternative tower structure. The principal benefit from collocation is that fewer wireless communication facilities are needed to serve a given area or an existing structure is shared to reduce the need for new verticality. Co-location has become a favored policy and is often encouraged by many jurisdictions. Knowing that collocation is preferred by the City of Scottsdale, this application is the result of a shared commitment between Cingular and the City of Scottsdale.

Nature of Request

Infranext, representing Cingular Wireless, is requesting approval for a WCF on the pole that Qwest was utilizing. The proposal is for four (4) new antennas and six (6) new equipment cabinets. Coaxial cables connecting the antennas to the cabinets will be run from the existing equipment enclosure, through the existing doghouse, and up the existing pole similar to the original WCF. Underground power and telephone service will be run from available connections to the equipment location.

The antennas will be flush mounted to the pole at two different heights. This design allows Cingular to have their needed antennas and maintain the flush mount requirement of the Scottsdale WCF ordinance. The antenna radiation centers will be 44' 9" and 38' 5". The antennas will be painted to match the existing APS pole.

The equipment will be located inside the existing CMU wall. The cabinets will be enclosed inside a solid masonry wall. No visual appearance will be needed for Cingular to place its equipment except for the telephone/power meter replaced on the east side of the compound. Both will be painted to match the existing CMU wall.

Conclusion

It is the goal of Cingular Wireless to work in cooperation with the City of Scottsdale in the development of their wireless network. By utilizing existing verticalities and flush mounted antennas, this site will be a good solution to a difficult coverage area. This area of Scottsdale is infamous for its spotty cellular coverage (much of it due to the difficulty in finding an adequate location). Approving this application will allow Cingular to improve coverage in an area known for having "spotty" coverage.

Submitted by:

Randy Downing

Site Development Specialist

InfraNext

1702 East Highland Avenue, Suite 405

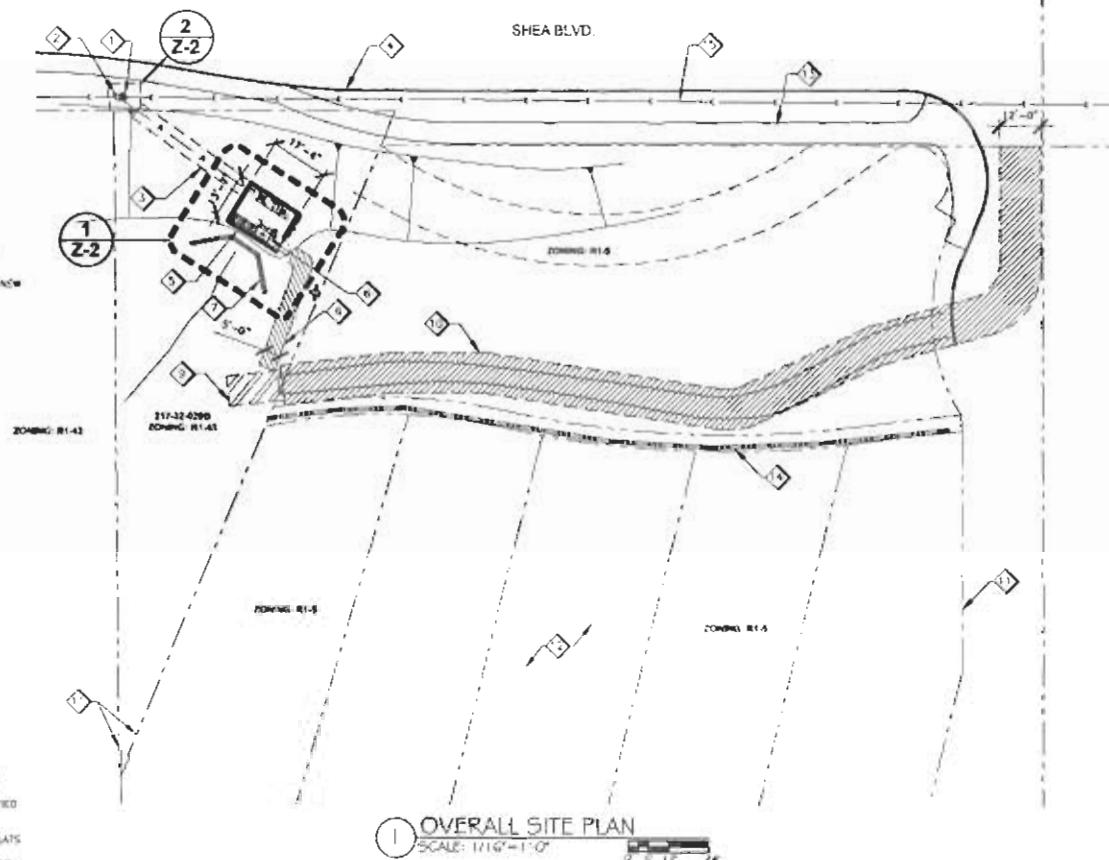
Phoenix, AZ 85016

Mobile: 480.241.8263

Efax: 775.218.9778

rdowning@infranext.com

- 1 (C) 80'-0" APS HIGH POWER POLE
- 2 PROPOSED NEW CIRCULAR ANTENNAS:
4 ANTENNAS TOTAL, 1 ANTENNA
PER SECTOR, (2 SECTORS TOTAL),
MOUNTED TO (C) APS UTILITY POLE AT (2)
RAD CENTERS, 14'-0" AND 38'-0" HIGH.
ANTENNA AZIMUTHS TO BE 30° AND 315°.
MOUNTED TO AN EXISTING APS UTILITY POLE.
ANTENNAS AND MOUNTING HARDWARE TO BE
PAINTED TO MATCH (C) UTILITY POLE.
- 3 PROPOSED NEW CIRCULAR 5'-0" WIDE
UNDERGROUND CONDUIT EASEMENT FROM
LEASE AREA TO EXISTING UTILITY POLE WITH
(C)-1" CONDUIT.
- 4 (C) CURB
- 5 (C) 6'-0" HIGH CMU WALL ENCLOSURE
WITH NEW CHAIN LINK SCREEN TOPPER. SEE
SHEET Z-2 FOR ENLARGED LEASE AREA
- 6 PROPOSED NEW CIRCULAR OUTDOOR EQUIPMENT
MOUNTED TO (C) CONCRETE SLAB
- 7 (C) HEADWALL
- 8 PROPOSED NEW 5'-0" WIDE WALKABLE ACCESS
EASEMENT FROM NEW TRUCK PARKING SPACE
(NON-DESCRIPTIVE) TO NEW LEASE AREA
- 9 PROPOSED NEW CIRCULAR 9'-0" X 14'-0" TECH.
PARKING SPACE (NON-DESCRIPTIVE, NON-EXCLUSIVE)
- 10 (C) 12'-0" WIDE DRIVEABLE ACCESS EASEMENT FROM NEW
LEASE AREA TO (C) P.D. AT SHEA BLVD
(NON-EXCLUSIVE)
- 11 (C) PROPERTY LINE (ASSUMED)
- 12 (C) RESIDENTIAL AREA
- 13 (C) SIDEWALK
- 14 (C) CMU WALL
- 15 (C) OVERHEAD POWER LINE



1 OVERALL SITE PLAN
SCALE: 1/16" = 1'-0"

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	SYM	CONDUIT SIZE	WIDTH SIZE, FT	DEPTH SIZE, FT	RUN LENGTH, FT
POWER	C	5"	24"	30"	T.B.D.
TELCO	T	4"	24"	50"	T.B.D.

IntelliLink
4001 EAST CENTRAL AVENUE BLVD.
PHOENIX, AZ 85018
TEL: (602) 944-0330 FAX: (602) 944-0301
WWW.INTILLINK.COM

cingular
WIRELESS
2005 CAMELBACK ROAD SUITE 106
PHOENIX, ARIZONA 85018

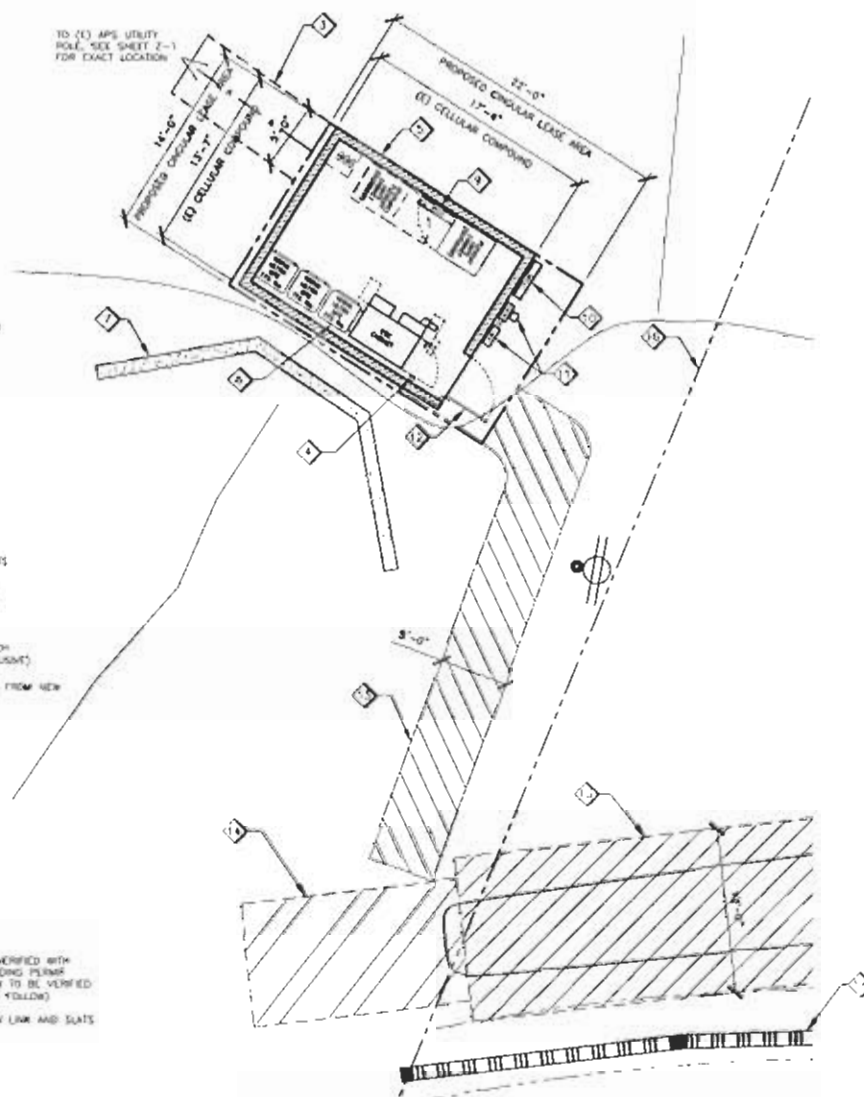
**ZONING APPROVAL ONLY
NOT FOR CONSTRUCTION**

REV: DATE: ISSUED FOR:
1 07/20/06 100% ZONING
2 08/23/06 100% ZONING
3 08/23/06 100% ZONING
ISSUED FOR:
100% ZONING
CURRENT ISSUE DATE:
07/20/06
SCALE:
1/16" = 1'-0"
DRAWING BY: CH

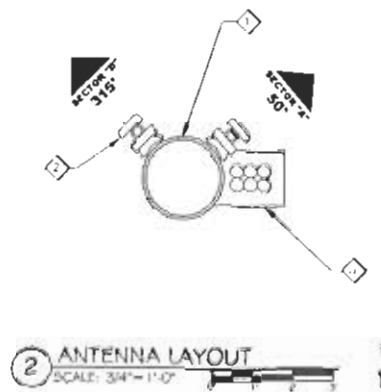
PROJECT INFORMATION:
P729-02
CAP 124th ST.
CENTRAL ARIZONA PROJECT
1301 E. SHEA BLVD.
SCOTTSDALE, AZ 85268
MARICOPA COUNTY
APN 214-32-450-B

SHEET TITLE:
**OVERALL
SITE PLAN**
SHEET NUMBER:
Z-1

- TO (E) APS UTILITY
POLE, SEE SHEET 2-1
FOR EXACT LOCATION



1 ENLARGED LEASE AREA PLAN
SCALE: 1/4" = 1'-0"



② ANTENNA LAYOUT
SCALE: 3/4" = 1'-0"

73-DR-2006
08/02/2006

DL DESIGN & LOGO
4645 EAST COUNTRY CRESTWAY BLVD.,
SUITE 200, SUITE 4171
PUEBLO, CO. 81008
TEL. (303) 466-8338 FAX (303) 526-8000

×cingular™

SA ZONING APPROVAL ONLY
NOT FOR CONSTRUCTION

REV	DATE	ISSUED FOR
1	07/20/06	100% ZONING
2	08/21/06	90% ZD'S W/CHANGEL
3	08/14/06	90% ZD'S
ISSUED FOR:		
100% ZONING		
CURRENT ISSUE DATE:		
07/20/06		
SCALE		SITE PLAN
DRAWING BY		GR

PROJECT INFORMATION

P729-02
CAP 124th ST.

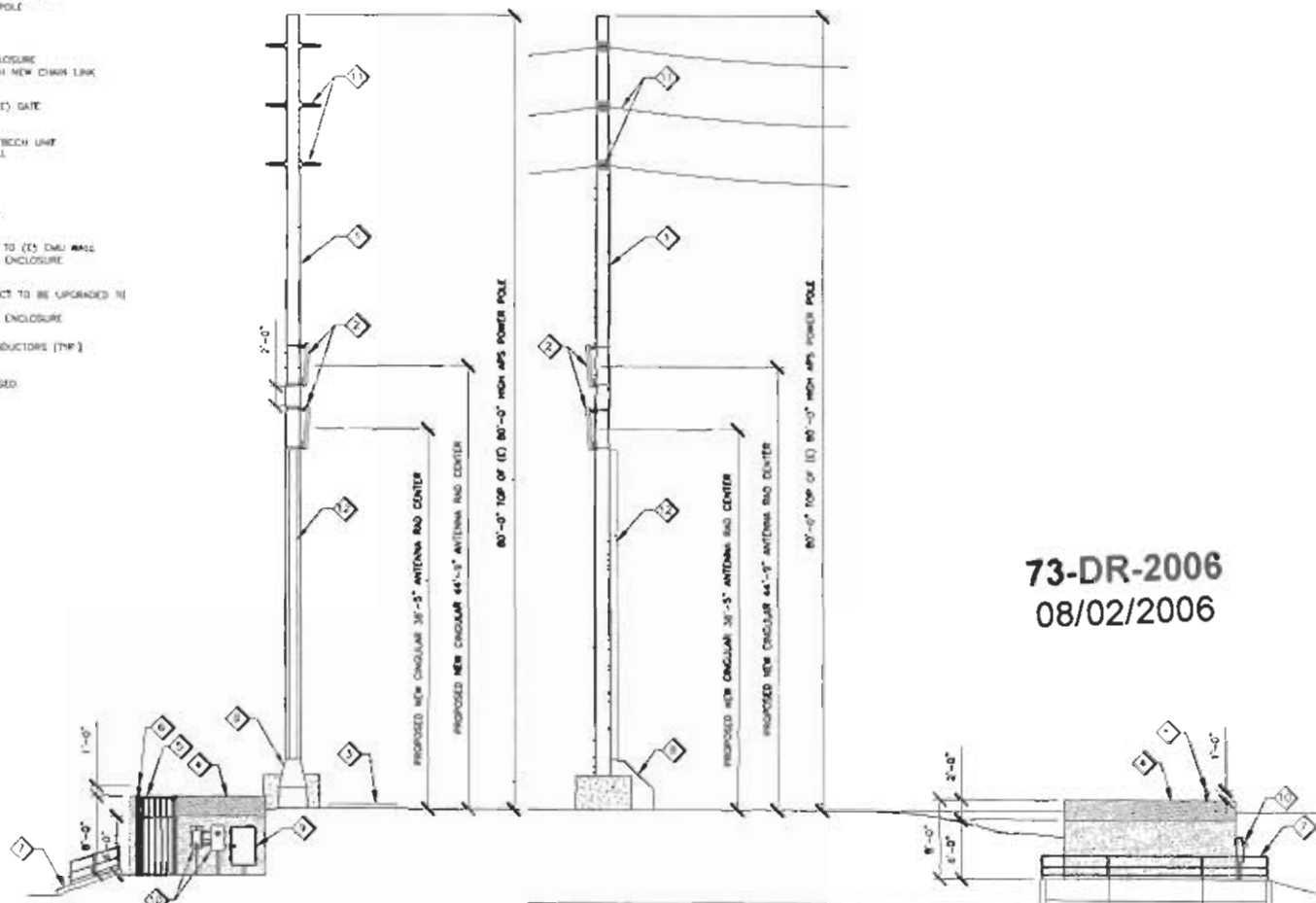
CENTRAL ARIZONA PROJECT

13257 E. SHAW BLVD.
SCOTTSDALE, AZ 85259
CENTRAL ARIZONA COUNTY
PHONE 213-221-0200

SHEET TITLE: **ENLARGED
LEASE AREA,
ANTENNA LAYOUT**

Z-2

- 1 (C) 80'-0" APS HIGH POWER POLE
- 2 PROPOSED NEW CIRCULAR ANTENNAS:
4 ANTENNAS TOTAL, 1 ANTENNA
PER SECTION (2 SECTIONS TOTAL).
MOUNTED TO (C) APS UTILITY POLE AT (2) RAD
CENTERS: 44'-9" AND 38'-5" HIGH
ANTENNA AZIMUTHS TO BE 50° AND 315°.
MOUNTED TO AN EXISTING APS UTILITY POLE.
ANTENNAS AND MOUNTING HARDWARE TO BE
PAINTED TO MATCH (C) UTILITY POLE
- 3 (C) SIDEWALK
- 4 (C) 8'-0" HIGH CMU WALL ENCLOSURE
TO BE EXTENDED TO 8'-0" WITH NEW CHAIN LINK
SCREEN TOPPER
- 5 PROPOSED 24" EXTENSION OF (E) GATE
- 6 PROPOSED NEW CIRCULAR OPS/TECH UNIT
MOUNTED TO EXISTING CMU WALL
- 7 (C) HEADWALL
- 8 (E) DOGHOUSE TO BE REUSED
- 9 RELOCATED POSITION MOUNTED TO (E) CMU WALL
PAINT TO MATCH (C) CMU WALL ENCLOSURE
- 10 (E) 100A METER AND DISCONNECT TO BE UPGRADED TO
NEW 200A SERVICE
PAINT TO MATCH (C) CMU WALL ENCLOSURE
- 11 (E) APS POWER LINES AND CONDUCTORS (THP)
- 12 (E) CABLE SHROUD TO BE REUSED



NOTES:
1. ALL POWER AND TELCO
INFORMATION TO BE VERIFIED
WITH BOTH UTILITY COMPANIES
PRIOR TO BUILDING PERMIT
2. ALL PARCEL AND PROPERTY
INFORMATION TO BE
VERIFIED BY SITE SURVEY AND
TITLE REPORT, TO FOLLOW
3. ALL INFORMATION BASED ON
SITE VISIT

1 SOUTHEAST ELEVATION
SCALE: 3/16" = 1'-0"

2 SOUTHWEST ELEVATION
SCALE: 3/16" = 1'-0"

73-DR-2006
08/02/2006

DM
DESIGN MANAGEMENT
4045 EAST COUNTRY CENTER BLVD.
SUITE 117
PHOENIX, AZ 85044
TEL: (602) 961-8338 FAX: (602) 961-8339
www.dmdm.com

cingular
WIRELESS
2001 E. CAROL BLACK BLVD. SUITE 1100
PHOENIX, ARIZONA 85044

SEAL
ZONING APPROVAL ONLY
NOT FOR CONSTRUCTION

REV.	DATE	ISSUED FOR
1	07/20/06	100% ZONING
2	08/23/06	20'S W/CHANGES
3	08/18/06	20'S
ISSUED FOR:		
100% ZONING		
CURRENT ISSUE DATE:		
07/20/06		
SCALE:		
3/16" = 1'-0"		
DRAWING BY:		
LCH		

PROJECT INFORMATION
P729-02
CAP 124R ST.
CENTRAL ARIZONA PROJECT
12311 E. 3RD AVE.
SCOTTSDALE, AZ 85259
MARICOPA COUNTY
APN# 217-01-004-B

SHEET TITLE:
SITE ELEVATIONS

SHEET NUMBER:
Z-3

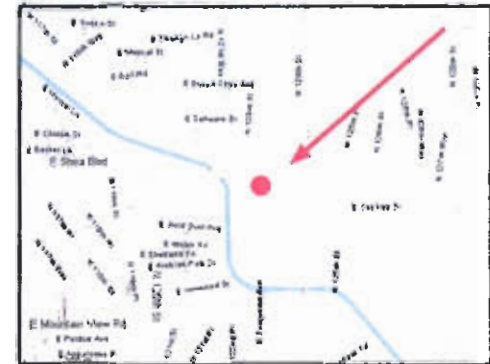
VIEW 1



PROPOSED



LOCATION - [MAP]



EXISTING

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